

VC-PTZ20 (DANTE)

4K Ultra HD Video Conference Camera



PRODUCT OVERVIEW

The **VC-PTZ20 (DANTE)** is a professional-grade 4K Ultra HD video conference camera designed for high-performance video conferencing and broadcasting environments. Equipped with a large 1/1.8" CMOS sensor and an effective resolution of 8.42 megapixels, it delivers exceptional clarity, color accuracy, and detail — ideal for boardrooms, training rooms, lecture halls, and other professional AV applications. The VC-PTZ20 is a cutting-edge professional video conferencing camera that combines 4K Ultra HD resolution, AI-powered features, and broadcast-grade optics to deliver an exceptional conferencing experience. Engineered for modern meeting spaces, lecture halls, and hybrid collaboration environments, it ensures participants appear crisp, clear, and professional—no matter where they are.

KEY FEATURES

- 4K30P:** Using 1/1.8-inch high-quality UHD CMOS sensor with a maximum of 8.42 million pixels can realize 4K (3840x2160) ultra-high-resolution high-quality images. And downward compatible with 1080p, 720p and other resolutions.
- 20x Optical Zoom + 60 ° Wide-angle Lens:** It adopts 4K ultra long focal lens with high quality and 8 million ultra-high resolution, 20x optical zoom, and the maximum field angle is 60° .
- HDMI1.4b :** Support HDMI 1.4b interface, which can directly output 4K/60P uncompressed digital video.
- Remote Control:** Support a variety of control methods, you can use RS232, RS485, network and USB to control the camera.
- Local Storage:** Support U disk local storage, local recording directly without NVR.
- Low Illumination:** The application of 3D noise reduction algorithm greatly reduces image noise. Even under the condition of ultra-low illumination, it still keep the picture clean and clear, and the SNR of image is as high as 55dB.
- Smart Exposure:** Effectively solve the impact of projection, TV and other equipment on shooting people.
- NDI®|HX2:** NDI®|HX2 has the characteristics of low latency and plug and play, which is convenient for project implementation and deployment. It has good ecology and supports the simultaneous transmission of audio, video and control commands. It is a new generation of network video transmission mode.
- Multiple Interfaces:** Support HDMI and 3G-SDI interface, effective transmission distance of 3G-SDI is up to 150 meters (1080P30). HDMI, LAN or 3G-SDI, LAN can output 2 high-definition digital signals at the same time.

APPLICATIONS

- Boardrooms
- Classrooms
- Auditorium

RESOUNDIFY

TECHNICAL SPECIFICATIONS

Camera Specifications

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|-------------------------|---|
| Signal System | HDMI: 4K/30, 4K/29.97, 4K/25, 1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 1080i/60, 1080i/59.94, 1080i/50, 720p/60, 720p/59.94, 750p/50 3G-SDI: 1080p/60, 1080p/59.94, 1080p/50, 1080p/30, 1080p/29.97, 1080p/25, 1080i/60, 1080i/59.94, 1080i/50, 720p/60, 720p/59.94 |
| Sensor | 1/1.8 inches, CMOS, Effective Pixels: 8.42 Megapixels |
| Scanning Mode | Progressive |
| Lens | 20x, 6=2.5mm – 125mm, F1.58 – F3.95 |
| Shutter | 1/30s – 1/10000s |
| White Balance | Auto, Indoor, Outdoor, One Push, Manual, VAR |
| Backlight Compensation | Support |
| Digital Noise Reduction | 3D Digital Noise Reduction |
| SNR | ≥ 55dB |
| Horizontal FOV | 60° ~ 3.5° |
| Vertical FOV | 35.7° ~ 2.0° |
| Pan Angle | ±170° |
| Tilt Angle | -30° ~ +90° |
| Pan Speed | 1.7° ~ 100°/s |
| Tilt Speed | 1.7° ~ 69.9°/s |
| Image Flip | Support |
| Image Freeze | Support |
| PoE+ | Support |
| Preset Position | 255 |
| Preset Accuracy | 0.1° |

Interfaces Specifications

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|-------------------|--|
| HD Output | 1x HDMI: Version 1.4b; 1x 3G-SDI: BNC , 800mVp-p, 75Ω, as per SMPTE 424M standard |
| Network Interface | 1 × RJ45: 10M/100M/1000M adaptive Ethernet |
| Audio Interface | 1 x Line In: 3.5mm Jack; 1 x Line Out: 3.5mm Jack |
| USB Interface | 1 × USB2.0, Type-A |
| Control Interface | 1 × RS485: 2pin phoenix port, Max Distance: 1200m, Protocol: VISCA / Pelco-D / Pelco-P 1 × RS232 IN: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA / Pelco-D / Pelco-P 1 × RS232 OUT: 8pin Mini DIN, Max Distance: 30m, Protocol: VISCA only |
| Power Interface | JEITA type (DC IN 12V) |

RESOUNDIFY

TECHNICAL SPECIFICATIONS

Network Specifications

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|--------------------------|--|
| Video Compression | H.265 / H.264 / MJPEG |
| Video Stream | First Stream, Second Stream |
| First Stream Resolution | 3840×2160, 1920×1080, 1280×720, 1024×576 etc |
| Second Stream Resolution | 720x576, 720x480, 320x240 etc |
| Video Bit Rate | First Stream: 32kbps–51200kbps Second Stream: 32kbps–20480kbps |
| Bit Rate Control | VBR, CBR |
| Frame Rate | 50Hz: 1fps–50fps, 60Hz: 1fps–60fps |
| Audio Compression | AAC, G.711A |
| Audio Bit Rate | 96kbps, 128kbps, 256Kbps |
| Protocols | NDI HX2, SRT, TCP/IP, HTTP, RTSP, RTMP(s), Onvif, DHCP, GB/T 28181, Multicast, etc |

General Specifications

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|-----------------------|-------------------------|
| Input Voltage | DC 12V / PoE+ (802.3at) |
| Input Current | 1.5A(Max.) |
| Operating Temperature | -10°C – 40°C |
| Storage Temperature | -40°C – 60°C |
| Power Consumption | 13W (Max.) |
| Dimension | 169mm × 142mm × 175mm |
| Net Weight | 1.4kg |